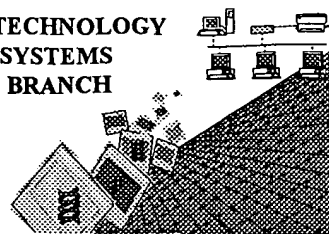


BIOTECHNOLOGY
SYSTEMS
BRANCH



027 2/10/03
7/11/03

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/925,065
Source: OIPK
Date Processed by STIC: 4/4/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

PAGE:

1

VERIFICATION SUMMARY REPORT

PATENT APPLICATION US/09/925,065

DATE: 04/04/2002

TIME: 18:00:25

INPUT SEQ: I:\4Thomas\crf3\boggs.txt

GENERAL INFORMATION SECTION

4,<110> Wang, David G.
6,<120> Identification and Mapping of Single
7, Nucleotide Polymorphisms in the Human Genome
10,<130> 108827.135
12 <140> US/09/999,999
13 <141> 2002-04-04
15,<150> US 60/243,096
16,<151> 2000-10-24
18,<150> US 60/252,147
19,<151> 2000-11-20
21,<150> US 60/250,092
22,<151> 2000-11-30
24,<150> US 60/261,766
25,<151> 2001-01-16
27,<150> US 60/289,846
28,<151> 2001-05-09
30,<160> 957086
32,<170> FastSEQ for Windows Version 4.0

Does Not Comply
Corrected Diskette Needed.

pp 2-3

ERRORED LINES SECTION

W--> 6350 tttggctaga aaccatatga gtgtgtctat tgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
W--> 6351 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
W--> 6352 nnnnnnnnnn nnttaaaaag aacacaatat agaacttgta ggggaaaagt ctactttttt 900
W--> 6442 atnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
W--> 6443 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttttcaa atattttcta 120
W--> 6480 ttttctcagc tgttttttga tctaagacaa gtaatctaac cgctttgtgc ctcagtttcc 1140
W--> 6481 cttctgccca acctaagggn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1200
W--> 6482 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnt 1259
W--> 11883 atgtatttat tttcacttag aatattattg tagcagttcc tcntagataa ggcaccttgg 600
W--> 12479 agatggagtt ttgctcttgt caccagggt ggagtgcaat ggcacgacn cagctcacgg 840
W--> 12481 nacaggcgcc tgccaccaca cctgaataat ttttgatatt tttgtaaaaa cagggnttca 960
W--> 12513 agatggagtt ttgctcttgt caccagggt ggagtgcaat ggcacgacn cagctcacgg 840
W--> 12515 nacaggcgcc tgccaccaca cctgaataat ttttgatatt tttgtaaaaa cagggnttca 960
W--> 12547 agatggagtt ttgctcttgt caccagggt ggagtgcaat ggcacgacn cagctcacgg 840
W--> 12549 nacaggcgcc tgccaccaca cctgaataat ttttgatatt tttgtaaaaa cagggnttca 960
W--> 14788 cagctccaca agagcacagg gtggcagagc aggggtttga gccaggtc tgggtcntga 780
W--> 14816 cagctccaya agagcacagg gtggcagagc aggggtttga gccaggtc tgggtcntga 780
W--> 14844 cagctccaca agagcacagg gtggcagagc aggggtttga gccaggtc tgggtcntga 780
W--> 14990 tgggaagkann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

ignore this section

<210> 793598
<211> 638
<212> DNA
<213> Human

<400> 793598
gcagagggtt ccaggagccc cagtgaaggt gcatgtgagg ttgatggagg atgtggaagg 60
ccgatggagg gagtgggtatt tgatctgagc ttgaagggtg agccagatgt tctcagggtg 120
aaaaagggaa aaaagacttt ccagacagag gggacagcag ggcttaagat ccctgagggt 180
gaagcagaag gggtttgtat tcccctgccg gagcatggga tgcccaaggg atgcaggaaa 240
ckgaggctca atacgatatg gaagttggag cccacactca gagggcactg aataccataa 300
gaaggaaactt tgatttctact tgcttggcag tgggatgggc agcagggtct cgggaggaga 360
ataaagactc ttcagcaata ggctgggtgc ggtggctcat gcctgtaatc ccagcacttt 420
gggaggccga ttcagggtgga tcatctgagg ttaggagttc gagaccagca tgaccaacat 480
ggtgaaaccc catctctact aaaaatacaa aaattagctg gtcgtgggtg cacatgcctg 540
taatccctgc tactcgagag gctgagacag gagaattgtt tgaacctggg aggtggagggt 600
tgcagtgagc tgaatatagg ccactgcact ccagcctg 638

<210> 793599
<211> 507
<212> DNA
<213> Human

<400> 793599
cagcctgggt cctggctcgt gatgggtgct ggggaagggg gtcccaaagg aggcattggg 60
aattgctcgg tctatagacc aaagttactc aggwgaagg tggcagagat agactggaat 120
ccagagctca gctcactgtg tcaaactgac attttccaac agtgtgtctg gttctaataag 180
atcaagagcc tttctacatg gtaggctgtg tcccaggaga agacatcaat gacagaaaag 240
gatattcgtg tgccctcttt ggtccagtgg gtgcccctgt tctgaagcca aggacacagg 300
g 30ctgaagcca aggacacagg 300
g 30ctgaagcca aggacacagg 300
g 30ctgaagcca aggacacagg 300
g 30ctgagatt tgatattcccc ataagaatgg ctttatagaa gctcaaagagatgcc aac0
gcca tgaccagcca gta0
gttc 540aattgtg taag
<212> ggcggcaaggaatgg 00
g n

invalid
character
begin
appearing
in this
sequence

gtaag
<21c aaaca agca gctt0
tgc 240
gctgc tg600
tgataatt tgaatagaaa gctcctgtag cttatcc 3> Human

major
format
error

<400> 793581
tggatccttt gaactttttc atgg600gct ggggaagggg gtcccaaagg aggcattggg 60
aattgct6gaa aaaatgacc aaagttactc aggwgaagg tggcagagat agactggaat 120
ccagagctca gctcactgtg tcaaactgac attttccaac agtttgtctg gttctaataag 180
atcaagagcc tttctacatg gtaggctgtg tcccaggaga agacatcaat gacagaaaag 240
gatattcgtg tgccctcttt ggtccagtgg gtgcccctsgt tctgaagcca aggacacagg 300
g 30ctgaagcca aggacacagg 300
g 30ctgaagcca aggacacagg 300
g 30ctgaagcca aggacacagg 300
g 30ctgagatt tgatattcccc ataagaatgg ctttatagaa gctcaaagagatgcc aac0
gcca tgaccagcca gta0
gttc 540aattgtg taag
<212> ggcggcaaggaatgg 00

09/925, 065 3

g n

gtaag
<21c aaaca agca gctt0
tgc 240
gctgc tg600
tgataatt tgaatagaaa gctcctgtag cttatcc 3> Human

*same
type of error*

<400> 793581
tggatccttt gaactttttc atgg60gtga aggct4gagg ttgatggagg atgtggaagg 60
ccgatgg60gtg300
gaatg cttcaacgg tggaaccaacc cagga
g 30 420

<a taattagttgactg t96
<2aag catitttcaat tgggaacc ggaattag 1
<21gacc 180gattsatcaacc ttacagactg cttcacatct tggcaga21c aaaaggggtga ttggt0
tg gaggccccgactttg agacctttct t
trccaga cagattttat tgggaacgaa tc
tttggc tg60t atac aatacatt cctgtgt tg60gagact tacagacact tactgtaag
tgtacgaagatgaatt ctgtttccag 240
ggaaa g180
atcc gtcaacgccca gggtcag 7
<21agcctt ggagacgttt tgaagccgaa
atcagtga gggatgagct ac0
gggccc acccagccaaaaagt gDNA
<ttg aagaaaatag cc00
gttg agacatccat tagctggccc tgc tcaagcgcatac catagaaaca ggtgtct13> Humtgaaaaca
180ttaaaaac 600tacat<a taggtggctg aaac
ccaaagagaaat4gagtttttc
atgg60tatt ttata2atga gtacttacaa gtctgacct 60
gagaatt60tat
gatattcat taggaggaaa cagagactca gaactgaaga 600ttttgtc cgtttctatagatg
ctttatckaa atacan

gatagtcaac 60
<211aac gctattca gtcaataacaacc ag
<g tgatggtct0 420ac0
gc tcaactgt agactcc acagtccctg aaaa ttcacatcac gctaagtga gttccacttaa
gcaactgaa> Humanccatc agctgtccaatttset tct0
gct tg600accca acagaacata ttgctgata acagaacata gccttggt0cagca cagccaaayg
agccaaatgg cc gtcagac atcaccacat ttattcaa2> DNACA
g 30 tgag ataattagct atataagagt cacgaagctt tttaaagctt taaatgct
atgaatagaaacat gtcacacttc 60
<2ccaca gctt0tg60a aagcaaatag tg60t gtgc ggaagaaacctctc ttcattca gacctttata
gattgaagagacgaagctgag gaaaaaaaaaaaaaaaaaaaaaaaaa22agtttttc atgg60gggc cttagattgc
attgaatcta taggtcaatt 60
tgcagag60gggaattctagct attacagacc 30tgagctgg tcacaacaaa gcaatgatgg
gcaaccaaggactg ttggtaggct aatgatgct gactgctcct> 585aaaaatg taag
<gacc 3gcA
<ttg tctt tgataggagc ttca agact ta<21gg
<g tc
<213>ag agacacagag gttgcaactgttctc tttggttct0 420mtgaaaa catgtgcaac tcDNAcacg
tgtatgct aggw21gg
atattct gtagagaaa 3gaagatgg tggcatgatgg aaaatcgttg <21gg
<gt> 58ggtagctg gaag gcgctgaacc tcat0mtgaa 240ttaatg cttcttgga agccgatgaa 2
trcgtg tgag ataatagggt Ottaaaaaaca 360

*These page shows as a sample of format error
appearing after sequence 793598. File could not be processed by
CRF software.*

fyi

Use of n and/or Xaa has been detected in the Sequence List
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.